

Title (en)

Method of manufacturing a superconductive wire or cable.

Title (de)

Verfahren zum Herstellen eines supraleitenden Drahtes oder Kabels.

Title (fr)

Procédé pour la réalisation d'un fil ou câble supraconducteur.

Publication

EP 0304116 A1 19890222 (EN)

Application

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Priority

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Abstract (en)

A layer of a solution (6) of the compounds of the composing elements of the superconductive material in an inert solvent, as well as a precipitant which forms a precipitate with the compounds, is provided on an inert, elongated carrier body (2), for example, an Ag wire, the wire is heated after removing the solvent, the formed precipitate being converted into a layer of the superconductive material.

IPC 1-7

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IPC 8 full level

C01B 13/36 (2006.01); **C01G 1/00** (2006.01); **C01G 3/00** (2006.01); **H01B 13/00** (2006.01); **H10N 60/01** (2023.01); **H10N 60/20** (2023.01)

CPC (source: EP)

H10N 60/0324 (2023.02); **H10N 60/203** (2023.02)

Citation (search report)

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- [A] ADVANCED CERAMIC MATERIALS, vol. 2, no. 3B, 1987, pages 388-400, Westerville, OH, US; R.W. McCALLUM et al.: "Problems in the production of YBa2Cu3O_x superconducting wire"
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BE1003160A5; US7296419B2; EP0503746A3; US6223418B1; WO9843253A1; EP0357910B1

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